transplanting a stem cell derived cornea to a patient who had lost his cornea;

- The National Brain Research Centre, Gurgaon involved extensively on neural stem cell useful in several congenital and acquired disorder, including Parkinson's disease;
- The National Centre for Cell Sciences, Pune has been working on developing a repository of cell cultures and cell lines, cryo-preservation technology for bone marrow and development of skin for burns and vitiligo patients.
- The ICMR are also setting up various blood stem cell banks.

(d) and (e) Draft guidelines on regulatory aspects of stem cell research was prepared by the Indian Council of Medical Research in 2002 and put on the ICMR web site for public consultation. The draft guidelines are being finalised on the basis of suggestion received and referring available International Policy documents on the subject. The proposed guidelines suggest constituting a multidisciplinary National Apex Committee to monitor Stem Cell Research activities in the country. Centres involved in stem cell research should be registered with the committee.

Malaria Medicine

†3439. PROF. R.B.S. VARMA:
SHRI LEKHRAJ BACHANI:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that Government are considering to make malaria medicine more effective for eradication of the disease;

(b) if so, the details thereof;

(c) whether Government are carrying out research on this medicine; ind

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRIMATI PANABAKA LAKSHMI): (a) and (b) Chloroquine is

† Original notice of the question was received in Hindi.

the main anti malarial drug and is being used as the first line drug for the treatment of uncomplicated malaria. However, for Chloroquine resistant *Plasmodium falciparum* malaria cases, Sulpha-pyrimethamine artesunate combination therapy is recommended for treatment. The details of the areas where Sulpha-pyrimethamine artesunate combination is recommended are placed at enclosed Statement. (See below)

(c) Yes, Sir.

(d) National Institute Malaria Research (NIMR) has conducted studies on combination therapy artesunate+sulfadoxine/pyrimethaine (AS+SP) in incomplicated falciparum malaria in Jabalpur in Madhya Pradesh in 2001. The data showed that the same was safe and effective. Following this, the National Vector Borne Disease Control Programme (NVBDCP) has also approved the AS SP combination for drug resistant areas. Recently in 2005, two more studies were conducted by NIMR in Keonjhar district in Orissa and Darrang district in Assam in about 50 patients of uncomplicated falciparum malaria in each site. There were no treatment failures with the combination and the clinical and parasitological cure was within 48 hours. This shows that this strategy is safe and effective.

Statement

Chloroquine Resistant areas with Revised Drug Policy for Malaria

SI. No.	State/UT	District	Number of PHCs	Name of PHCs
1	2	3	4	5
	Andhra Pradesh	Vizianagaram	1	Modumkhalu
1.	A&N Islands	Great Nicobar	15	-
		Little Andaman	4	-
2.	Assam	Karbi Anglong (whole)	11	-
		Nagaon (whole)	11	-
		Darrang,	1	Orang
		Kamrup,	1	Sonapur
		Nalbari	1	Tamalpur
3.	Arunachal Pradesh	Lohit (whole)	7	
		Tirap and Changlang	1	Jairampur

1	2	3	4	5
4.	Chhattisgarh	Jagdalpur	1	DNK Project are
		Korba	1	Pondiuprora
5.	Goa	North Goa	2	Aldona Panjim
6.	Gujarat	Panchmahal	1	Kadana
		Kutch Bhuj	2	Kavada Gorewali
		Anand	1	Pansora
		Dahod	1	Degawada
7.	Jharkhand	Gumla	2	Thethaitangar Palkot
8.	Karnataka	Kolar	1	Gulur
		Raichur	1	Echanal
		Bellary	1	Kamalpura
		Mandya	1	D.K. halli
		Bagalkut	1	Kamatagi
9.	Madhya Pradesh	Jhabua	1	Kalyanpura
10.	Maharashtra	Chandrapur	58	
		Raigarh	1	Washi
		Gadchiroli	1	Dhanora
11.	Meghalaya	All districts except Jaintia Hills	39	-
12.	Mizoram	Aizwal	1	Sairang
		Lunglei	1	Hnanthial
13.	Nagaland	All districts (8)	49	-
14.	Orissa	Keonjhar,	1	Keonjhar town
		Kandhamal,	1	Daringabari
		Sundergarh	2	Kuarmundu Bisra
		Angul	1	Bantala
		Dhenkanal	1	Khajurikata
15.	Rajasthan	Dungarpur	1	Bicchiwara
16.	Tripura	South tripura	1	Santibazar
17.	Uttar Pradesh	Mirzapur	1	NHPC Shaktinagar only

1	2	3	4	5
18.	West Bengal	Purulia,	2	Bagmundi, Bandhwan
		Jalpaiguri,	2	Uttar Latabari, Mai,
		Bankura	1	Ranibandh
		Darjeeling	2	Naxalbari, Sukna
	TOTAL	51 districts	236 PHCs	

Anti-Tuberculosis and Malaria Vaccine

3440. SHRIMATI S.G. INDIRA: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that India is developing vaccines against T.B. and malaria;

(b) if so, the details thereof;

(c) whether it is also a fact that India was assured of foreign assistance to develop these vaccines; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRIMATI PANABAKA LAKSHMI): (a) and (b) Several groups in India are trying to develop vaccines for T.B. and Malaria. These are in the preclinical/laboratory stages of development.

(c) and (d) As per information available, no foreign funding is being used for the work.

Cancer Patients in the country

†3441. SHRIMATI PREMA CARIAPPA:
SHRI MOTILAL VORA:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that Delhi, Bhopal and Bangalore have largest

† Original notice of the question was received in Hindi.